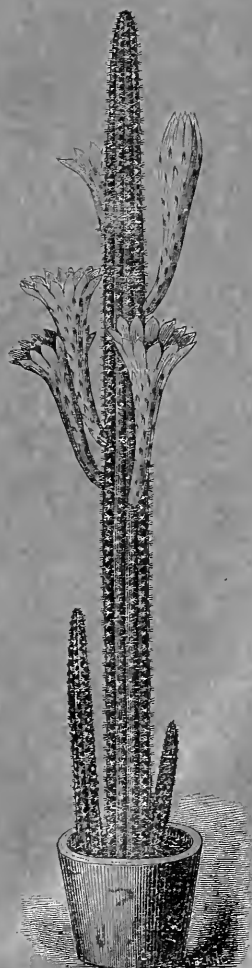


OUT OF DOORS FOR WOMEN

Issued monthly by
Mrs. O. L. Orcutt,
Orcutt, California.
Price 5c.: 25c. yr.



BULBS.

	Per 100.
Allium haematochton Watson: fine.....	\$ 1 00
Amaryllis formosissim a.....	7 00
Behria tenuiflora.....	3 00
Bloomeria aurea: rich yellow flowers.....	1 50
Clevelandi Watson: delicate lemon.....	3 00
Brodiaea capitata: large heads, lavender.....	1 00
capitata alba: charming, pure white.....	2 40
congesta: Violet purple, 2 to 3 ft. high.....	1 50
coccinea: Vegetable fire cracker.....	2 25
grandiflora: dark waxy purple, showy.....	1 00
ixioides (Caliphoa lutea): yellow, pretty.....	1 00
lactea: white banded with green.....	1 00
laxa (blue milla, Ithuriel's spear): blue.....	1 00
minor: fine royal purple umbels.....	2 25
multiflora: umbels of violet flowers.....	1 50
Orcuttii: lavender colored fls.....	5 00
peduncularis: waxy porcelain white.....	2 25
stellaris rich purple, white centers.....	1 50
terrestris: royal purple, 2 inches high.....	2 25
volubilis: Twining hyacinth, climbing.....	4 50
mixed varieties \$6 per 1000.....	90
Calochortus albus: Fairy Bell, pearly w.....	1 80
Benthamii: open cup-shaped flowers.....	2 25
Gundisoni: light lilac, purple banding.....	10 00
"Howellii" (apiculatus): white, 2 feet high.....	6 00
Kennedyi: magnificent dazzling scarlet.....	10 00
Leichtlinii: much like Nuttallii.....	6 00
longibaratus: fine purple, a foot high.....	3 00
luteus: yellow fls, dotted with brown.....	1 50
v. concolor: large bright yellow flowers.....	7 50
Ilacinus: lilac shading to purple, fine.....	1 50
macrocarpus: large purple flowers.....	4 50
maweanus: white, silky blue hairs, fine.....	1 50
nitidus: purple and green fls, flexuous.....	7 50
nudus: dwarfish in habit, purple fls.....	4 50
Nuttallii: large white fls, green banded.....	4 50
Palmeri: a rare and beautiful sort.....	7 50
puchellus: star tulip, pendant flowers.....	1 50
splendens: lavender color.....	3 00
v. atroviolacea: purple, with red spots.....	2 00
venustus oculatus: finely marked fls.....	1 50
venustus purpureus: purple centers.....	2 25
venustus citrinus: lemon yellow.....	1 50
venustus roseus: creamy inside.....	2 40
Weedii: orange butterfly tulip, fine.....	4 50
Tolmici: very large white pendant fls.....	2 25
flavus (Cyclobothra flava): golden shell.....	2 00
Plummerae (Weedii purpureus).....	7 50
Purdyi Greene: pale lilac fls, new.....	4 50
flexuosus: lilac fls, a fine butterfly tulip.....	10 00
Bayladianus: drooping purple and yel.....	8 00
mixed varieties, choice selections.....	1 20
Camassia "alba".....	12 50
Cusickii: purple giant, great novelty.....	25 00
esculenta: dark blue fls, edible bulbs.....	90
Leichtlinii.....	7 50
Chlorogalum angustifolium, dwarf size.....	4 50
parvifolium and pomeridianum, each.....	4 50
Erythronium grandiflorum (giganteum).....	1 50
grandiflorum minor, yellow flowers.....	6 30
Hartwegii, large yellow fls, beautiful.....	2 25
Hendersonii, pink fls, center blackish.....	4 50
montanum, 3 to 4 large pure white fls.....	4 50
Howellii, white turning pink, Oregon.....	6 00
Smithii, white fls turning purple.....	3 00
purpureus, rare and beautiful.....	4 50
Freesia refracta alba: seed \$3 per lb.....	60
Fritillaria atropurpurea.....	4 50
biflora: chocolate lily, white, purple fls.....	3 00
coccinea: much like recurva, pretty fls.....	6 00
lanceolata, curious mottled coloring.....	3 00
v. gracilis, nearly black, pretty.....	4 50
lilacea, white, otherwise like biflora.....	3 00
parviflora.....	4 50
pubica, charming yellow or orange fls.....	4 50
recurva, scarlet bell-shaped flowers.....	3 00
Hesperocallis undulata, desert lily.....	20 00
Leucoerinum montanum, delicate white.....	6 00
Lilium Bolanderi, Oregon, quite rare yet.....	60 00
Columbianum, like dwarf Humboldtii.....	7 50

Humboldtii, orange, with black spots.....	10 00
maritimum, blood red flowers.....	15 00
pardalinum, red and orange.....	4 50
v. minor, canary yellow, spotted fls.....	7 50
v. Bourgaei, lustrous fiery red.....	20 00
Parryi, delicate lemon yellow, fragrant.....	15 00
parvum, scarlet spotted with brown.....	12 50
rubescens, opens white, very fine.....	50 00
Washingtonianum, white, very fragrant.....	12 50
Mulla maritima, small whitish flower.....	3 00
Richardia Africana, calla.....	4 00
Trillium sessile californicum.....	3 00
ovatum, white, turning to wine purple.....	3 00
Zygadenus Fremontii, creamy white fls.....	4 50
paniculatus, stouter and taller.....	4 50

C. R. Orcutt, Orcutt, California.



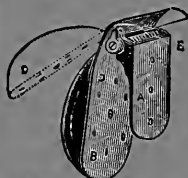
CAN I OBTAIN A PATENT? For a prompt answer and an honest opinion, write to **MUNN & CO.**, who have had nearly fifty years' experience in the patent business. Communications strictly confidential. A Handbook of Information concerning Patents and how to obtain them sent free. Also a catalogue of mechanical and scientific books sent free.

Patents taken through **Munn & Co.** receive special notice in the **Scientific American**, and thus are brought widely before the public without cost to the inventor. This splendid paper, issued weekly, elegantly illustrated, has by far the largest circulation of any scientific work in the world. \$3 a year. Sample copies sent free.

Building Edition, monthly, \$2.50 a year. Single copies, 25 cents. Every number contains beautiful plates, in colors, and photographs of new houses, with plans, enabling builders to show the latest designs and secure contracts. Address

MUNN & CO., NEW YORK, 361 BROADWAY.

TRUSSES



On Approval.
50 Styles.

Send for **FREE Book**
on Cause, Treatment
and Cure of Rupture.

ARTIFICIAL LIMBS. BEST LEG,

Super Foot, \$50 to \$70. Elastic Stockings, Supporters, Crutches, &c. Free Catalogue. State particulars. **GEO. R. FULLER, U. S. Govt. Mfr.,**

Box 911, ROCHESTER, N. Y.

YANKEE WORLD, a bright, clean story paper: send for sample copy and see our list of premiums. Syracuse, N. Y.

Established 1881.

THE WEST AMERICAN SCIENTIST.

Charles Russell Orcutt, Editor.

Orcutt, Cal., U. S. A.

Price 10c a copy; \$1 a year; \$10 for life.

OUT OF DOORS FOR WOMEN.

VOLUME III.

SEPTEMBER, 1895.

NUMBER 22.

NOMENCLATURE.

The question of nomenclature is one which just now is being agitated by both botanists and horticulturists. Theoretically, the same laws should obtain recognition in all branches of natural science, zoology, botany and horticulture. The "Recommendations" recently endorsed by the more conservative American botanists, and emanating from the herbarium of Harvard College, give preference in specific nomenclature to the first correct combination; advise that the varietal name is to be regarded as inferior in rank to the specific; discourages the rejection of long established and generally known generic names; and pronounces against the principal of "once a synonym always a synonym" being made retroactive,

Lester F. Ward treats the question of nomenclature at length in the Bulletin of the Torrey Botanical Club, xxii, 308-329, for July, 1895, and is inclined to consider the "Harvard rules" as based solely on sentiment and not tenable if we are to have a stable code.

Let us consider for a moment whether the "new-American school of botanists" or the conservative element, is tending toward a more stable nomenclature in active practice. We (the conservative) use the name *Mammillaria** for a well

known genus of cacti, as first used by Haworth in 1812. After 80 years of use, on the strength of the law of "once a synonym always a synonym" it is proposed to discard this name because *Mamillaria*† *Stackh.* was dedicated to a genus of algæ in 1809—three years earlier—though this use of the name was long since relegated to synonymy itself. The law of priority is also called in play to uphold the replacement of the name *Mammillaria* with the Linnæan name *Cactus*‡ (1735), under which name were grouped all species of cacti at that time known to science.

Neither Otto Kuntze nor John M. Coulter, the modern champions of the genus *Cactus*, as defined by them, seem to be sure of their position. Coulter says: "*Cactus mammillaris* seems to have stood as the type," and follows Kuntze, who, without discrimination, § transferred good and bad species alike from *Mammillaria* to *Cactus*! A name so well established as *Mammillaria*, not only among Botanists, but in the horticultural world, should not be hast-

in about equal use—the authorities at the Royal Gardens, Kew, follow Haworth, while most American botanists have followed in the lead of Prince Salm-Dyck.

† I do not know whether the author wrote this *Mamillaria* or *Mammillaria*, but follow the only spelling I have seen in print, since the original work is not accessible to me.

‡ Otto Kuntze, Rev. Gen. Pl., followed by Coulter, Coville, and others,—non Lemair.

§ As an example, *M. tetrandra* and *M. phellosperma* (the latter a well known synonym of the former) are both transferred to *Cactus* as valid species by Kuntze, who made countless similar errors.

*Haworth wrote this name *Mammillaria*; Prince Salm-Dyck, in *Horto-Dyck*, Ed. II. 5, wrote it *Mamillaria*, with the following foot note: "Nomen genericum *Mamillaria* scribendum est, quia non a verbo *Mamma*, sed a diminutivo *Mamilla* deductum." The two forms of spelling have since been

ily replaced on grounds open to question. The resurrection of the Linnæan name *Cactus* offers a splendid opportunity for a botanist to affix his name to a multitude of valid species (and synonyms!) not yet transferred—but practical botanists and horticulturists must deplore such “botanical activity.”

The name *Cactus* was first used in a restricted generic sense for a group of *Opuntia* by Lemaire, a fact which would add further confusion if we were to resurrect the name as proposed, or as attempted.

My views have already been partially recorded on the nomenclature question in *Science*, xvii, 67 (reprinted in this magazine, vii, 206), but new points continually arise where individual judgment must be used. It seems extremely doubtful if ever *Cactus* will replace *Mammillaria* in either technical or popular use; or that *Fremontodendron* can long replace *Fremontia*, or any name supplant our *Washingtonia* as applied to our Californian fan palm.

It may be sentiment, but sentiment must always form a part of our language and receive consideration, especially when it aids language to perform its duty. The only final settlement of these vexing questions will be through common usage and a law ignored by horticulturists and the more conservative of our botanists will ultimately disappear.

C. R. Orcutt.

THE GIRL WITHOUT A TALENT.

The sermon that day had been about service—“Go work to-day in My vineyard”—and here Dora found herself trying to settle down to a Sunday afternoon nap on the parlor sofa, with those words persistently ringing in her ears. She shut her eyes and waited patiently for a drowse. It could not be induced even with favoring conditions.

“If it isn’t just like a minister to get one all stirred up, and then not tell them what to do! I surely can’t be a missionary, and never yet succeeded in holding a Sunday-school class. Here I am peering through the pickets into the vineyard much as Adam and Eve might have peered into Paradise. Deary me!” and she rose from the sofa and took a seat on the little, uncomfortable hair-cloth stool by way of penance. She resolutely settled down to a meditation.

“I know,” she declared to herself: “I’ll just ask him what to do.” And she did that very evening. To him she announced in her frank way:

“It’s a stubborn fact that all this afternoon I have lighted a candle and searched diligently, and can’t find a single available gift or grace; so, if you please, sir, if you want me to go to work, you must find some spot in the vineyard that doesn’t require talent.”

The minister grew thoughtful. “I want an organist for the Mission Sunday-school,” he said, after a little.

“Just as I thought,” moaned this would-be laborer. “I don’t know the difference between a scale and a key-board.”

“Do you sing?”

“Occasionally. In fact, I fill the room and then empty it. Cousin John says it isn’t quite so uplifting as the yell of a Comanche Indian. He has lived on the plains, you know.”

“You can’t visit the sick for me—” began the pastor, and then hesitated. Dora was lame, and could not get about easily.

“I would be sure to say the wrong thing, even if I could get there,” answered Dora. “I always used to. When auntie was sick I read the horror column of the newspaper to her, and left her with Taylor’s work on ‘Dying.’

After this do preach your text—'Go work to-day in my vineyard'—if you are equipped with talents. None others need apply."

"What is your specialty?" inquired the minister. "We all have some specialty, you know."

"It really isn't worth mentioning."

"Perhaps I shall differ with you."

"Well, it's the care of plants. 'Only this and nothing more.' They will always blossom for me. I love even to pot and weed them, and the quantity of geraniums I slip for my friends is something incredible."

The minister did not reply at once. Indeed, not until Dora rose to go.

"Wait a bit—or, better yet, call to-morrow. I will let the sun rise on my plan first."

Dora went the next day. The pastor was a man of few words. "My plan is this," he said: "that you shall give each child in my mission Sunday-school a potted plant, with such instructions as you know how to give. In three months hold a flower show. I will furnish prizes for you to bestow on the best-cared-for plant, for best collection of plants, for prettiest bouquet of wild flowers. It is no longer art for art's sake, but art for humanity's sake."

He waited for her approval.

"All very pleasant—but—is it Christian work?"

"Yes, it's the vineyard, though perhaps a byway instead of a highway. It will work variously. Think of tenement-house windows full of bloom. Think of the soul-culture which comes from the care of flowers. Think of the hold we shall get on that community. Think of the additions to our Sunday-school. The fact is, think in any line, and it means a blessed service with a definite result."

"Enough," answered Dora, rising at

once to action. "I will go to work to-day."

If you have ever potted seventy-five geraniums, begging jars here and there, you will know how tired Dora was when she had prepared and arranged her rows of plants; how tired and how happy, for it was really a blessed service. She liked to think how they would look in wretched homes, if they could get courage enough to bloom amid such uncongenial surroundings. They were her messages to tempted, sorrowful, barren, human lives, and they were living things. She relieved the back-ache and general feeling of collapse by long-continued gazing at the rows of plants. She met the school on an appointed day, gave the simple instructions, and dwelt enthusiastically on the flower show. A merry little company left the mission school that day, each one hugging a plant jar.

To tell all that came from cultivating that by-way in the vineyard would take too long. Some of the little plants froze, which called attention loudly to the little human plants and their slim chances of escaping a like fate—so loudly, indeed, that a relief commission investigated the places and brought help and warmth. Flowers blossomed in windows formerly unused to beauty. Cleaner rooms and dresses and faces and lives became the accompaniments and were the direct results of blooming windows. "That flower show," Dora declared, "came to the girl without a talent like the benediction that follows after prayer."

One poor, little, forlorn plant, with only three disconsolate leaves, and they looking as if about to give up the life-struggle, brought out the fact that the owner had kept it alive in a basement by dint of the tenderest care. Oh, it told a whole story, that little, pitiful.

half-dead plant, and Dora saw to it that a prize was awarded to the sad little owner, for "evidences of culture under difficulties." It was actually said that the child would give it an airing every pleasant day, taking it to walk with her in a most companionable spirit, which probably had kept the breath of life in it. I can't stop to tell of the profusion of wild flowers, or the dismay of healthy plants, or the delight of the children when gala day came. Sufficient to say, that because one girl cultivated her specialty, not despising its littleness, but consecrating it to Christian service, influences of heavenly origin, taking hold of the future far beyond human ken, reached down and lifted up, to better living and brighter hopes, the poor and halt and maimed and blind.—*Christian Union*,

‘OUT OF DOORS FOR WOMEN’

Oh, it is just grand! It opens wide the Door, that the light from Liberty's Beacon may shine upon woman's pathway, as she so willingly does her part of co-operative work in the great field of usefulness for humanity's weal. It will eventually be more elevating to man as well as woman to reach a higher plane of living in this world, and will hasten the day when the kingdom of this earth shall be as it is in heaven. Then posterity can only learn from history that Eden was ever supposed to be lost.

S. M. C.

FREESIA REFRACTA ALBA.

This long name is become familiar to every lover of flowers in the civilized world. It is a native of Africa and belongs to the iris family, a family which gives us a multitude of brilliant flowers which readily adapt themselves to Southern California. It will produce a wealth of fragrant bloom the first year from seed, and is so easily grown that it is within the reach of the humblest housekeeper.

We will gladly mail a packet of seed to any subscriber sending stamp for postage.

Just a thought to give thee pleasure,
Just a hope to gild the way,
Just a word to speak of Jesus,
Do you love Him as you may?

CENTURY PLANTS.

The agaves form a beautiful class of decorative plants, tropical in aspect, and belong to the amaryllis family, though often erroneously considered as belonging to the cactus family. They are called century plants from another popular fallacy, that they require 100 years before blooming. In tropical countries they attain maturity, blossom and die, in less than twenty years usually.

AGAVE AMERICANA Linnaeus. The mescal plant of Mexico, from which a useful fibre is secured. Pulque, the national drink of Mexico, is produced mainly from this plant, and the juice is also distilled into an alcoholic beverage known by the name of mescal. Thousands of acres are devoted to its cultivation in Mexico, where it ranks with corn, wheat and beans in commercial importance. It makes rapid growth, attaining to a large size, and in the United States is largely planted for its decorative value.

Var. VARIEGATA Hort. Large, broad leaves, margined with white, the finest of many forms in cultivation.

AGAVE SHAWII Engelm. Very compact, dark olive-green leaves, margined with stout spines. Peculiar to the coast region of Southern and Lower California.

STAPELIAS, OR "TOAD CACTUS."

These curious plants, native to South Africa, belong to the asclepias (or milkweed) family, but are popularly known by the names "toad cactus," or "carrion cactus," the former from the mottled color of the flower of the best-known variety, the latter from the strong fetid odor exhaled by the flowers. Like most succulents, they are easily grown. There are more than fifty varieties known.

FAIRY FINGER TIPS.

COTYLEDON ATTENUATA Watson. This dwarfish plant is destined to attain great popularity for beds and borders. It was discovered in Lower California in 1886 by C. R. Orcutt, and first introduced into cultivation in 1894. It resembles dwarf C. Edulis, and produces panicles of pretty yellowish or rose purple flowers that do not detract from its adaptability for borders or edging to beds.

C. EDULIS Brewer. This sometimes grows two feet across and bears a tall panicle of greenish flowers. It has become widely known under the name of "Finger Tips," from the long, slender leaves, which the Indians of California formerly used as a salad.

E. PULVERULENTA Baker. Large, elegant in form, the broad leaves forming a beautiful rosette and covered with a thick white powder.

C. ORBICULATA Linnaeus. An old-fashioned garden plant, attaining to a tropical luxuriance of growth and producing large pendulous orange-colored flowers of great permanence.

C. LANCEOLATA B. & H. A plant that does well under good treatment, producing a spike of red flowers. The lanceolate flat leaves sometimes of a dull crimson color, but commonly green.

WHAT NOT.

Now that "Debs" and the "Income Tax" is judiciously disposed of, I wonder if Justice Field couldn't solve the constitutional problem—on which so many good men are divided—as to whether woman is a "He, she or it."

If the dear people (men, of course), only knew, it would greatly conduce to their peace of mind, if they would acknowledge our identity as a unit of the same calibre as themselves. Like our brethren, we never want a thing so badly after we have gotten it.

When our legal identity is determined, most of us, no doubt, will be glad to settle back into our old shells and let the "brotherhood" cope with the burdens of life (just what the burdens of life are, is a question). That is, if our old shells are large enough for our increased growth.

Certainty of our position in the world will compel us to emerge from this state of unrest; throw off all that is spasmodic and unwomanly, retaining only that which will add to our physical and intellectual growth.

One of the greatest discoveries woman has made in her outward voyage is Health. The "new woman" is no longer the pale, nerveless creature of the old regime, making wife and motherhood a failure every minute of her miserable life.

She has found out that an active out of doors life is the "open sesame" by which she may regain her lost paradise or unhappy home.

Fresh air and sunshine has made it possible for her to grasp the opportunities which science—by taking from her burdened fingers, spinning, weaving, and other kindred tasks—has given her.

There is a time for everything. But, if she will persist in making soft soaps

and rag carpets, while her husband is enjoying the lecture, concert, or last new magazine, what can the result be, other than estrangement?

Her mind is growing rusty from disuse. His is being brightened by daily contact with higher minds.

I did not intend to "end up" with an excuse for the many lapses of men, but really, sisters, if, in the face of our "new light" we will sink the wife and mother in the sickly household drudge, who is to blame? *Susan Sharp.*

LITERARY NOTES

THE DELINEATOR, woman's favorite magazine, issued by the Butterick Pub. Co., 7 W. 13th st., N. Y., at \$1 a year, is a marvel of freshness beauty and utility, the great caterer to domestic needs.

THE REVIEW OF REVIEWS is the busy man's magazine, a compend of every thing that happens of national or world renown.

SOCIAL EVILS.

Among the many social evils which are now threatening the very foundation of our Republic, intemperance is one which Christian people admit as being of the most dangerous character.

ARE YOU FOR TEMPERANCE OR DRUNKENNESS?

There is no middle course—your influence is in favor of, or against, the use of intoxicating drink. Does your nearest neighbor know which side you are on? Do your children know that you will not tolerate its use in your home, or do they know that you sometimes use it and offer it to others? Will they do otherwise?

"DO NOT NEED TO TAKE THE PLEDGE."

Ah! Then you believe in the use of alcohol as a beverage! No!—but you permit others to so think of you. The young man working for you may need your example—you may need it yourself more than you know! What injury you may do someone when you refuse to sign the pledge you may never know, but no harm ever came of signing and keeping the pledge.

ALL THOUGHTFUL WOMEN FAVOR total abstinence—but many women as well as men have not considered—have not had it so brought home to them as to think seriously,—and it is these who do not seriously consider the position they occupy that are today greatly retarding human progress and endangering the prosperity of rising generations.

THE ROYAL TEMPLARS OF TEMPERANCE is a fraternal beneficiary order, founded in 1877, with unselfish motives, conducted on strict business principles and purely mutual in all of its operations. No secrets from any member; no favoritism to any member; with all the social enjoyments of a grand fraternity, aid to the members while living, assurance of financial aid to those dependent on its members in case of death, it has become the most successful total abstinence mutual benefit order in existence.

INSURANCE FOR WOMEN.

Women enjoy equal rights and privileges with men and meet and act in unison in this order, and children over 8 years are admitted to a junior branch, so that the whole family may be present at every meeting. Any man or woman between the ages of 16 and 50 years, enjoying good physical health, can become a beneficiary member, taking life insurance in any amt. from \$125 to \$2000,—while those between 50 and 55 years can insure up to \$1000. Those not eligible to beneficiary membership may become honorary members.

SECOND ONLY TO CHURCH WORK.

Christians should feel that the temperance cause is a part of their own church work; the Royal Templars are engaged in a Christian enterprise calculated to enlist every humanitarian; total abstinence not only lengthens the duration of human life, but renders that human life better worth the living. Statistics show us that the use of alcoholic beverages cuts $\frac{1}{2}$ off the natural span of existence.

TWO CLASSES OF INSURANCE.

There are two classes of life insurance—one known as the 'old line,' where capitalists have assumed the risk, and generally amassed huge fortunes out of the profits.

The other is termed mutual insurance, and this where honestly conducted has proved immensely cheaper and safer to the insured, and no huge fortunes have been made under this system, but thousands of moderate fortunes have been conserved. The most successful check to dishonesty in these mutual societies has been the Lodge system, and few if any societies thus organized have ever failed to meet obligations. This system has been in operation in Europe for more than 200 years, and fraternal orders have nobly stood the test of time.

IS TEMPERANCE WORK NEEDED IN SAN DIEGO?

Where is the city today where this monster of intemperance is not present? It dominates every rank of society, it corrupts officials and ruins home life and business integrity.

It is desired to establish in San Diego a council of the Royal Templars of Temperance, and every Christian man and woman is invited to co-operate with OUT OF DOORS FOR WOMEN in making the attempt a grand success toward the reformation of this fair city by the sea.

Further information may be obtained at No. 365 Twenty-first street, San Diego, where applications for membership will be received.

Among those who have signified a desire to become charter members are:—

Dr. & Mrs. Polhemus
George A. Miller, Sec'y Y.M.C.A.
O.C. & M.F. Eddy
Mrs. E. J. Beck and Miss Beck
Misses Jennie and Vera Hurlbert
Mrs. E. E. Orentt
C.R. & O.L. Orentt.

THE HEDGEHOG CACTUS.

ECHINOPSIS MULLERI. A hybrid, of rapid growth, blooming early, and with its large, satiny rose-colored flowers is justly called the finest of its class.

ECHINOPSIS EYRIESII ZUCC. This is less bristling in appearance than *E. Mulleri*, but produces lovely pure white flowers in great abundance.

THE SECRETS OF SUCCESS.

The broad roads to a successful industrial reform, based upon 70 years' experience in England, are thus summed up by the Co-operative News: 1—The establishment of co-operative societies for supplying the wants of their members of every kind, whether by purchasing goods wholesale or manufacturing or producing these goods themselves; 2—the establishment of federal associations, such as grain milling and wholesal- societies, for supplying the retail societies with goods that the retail societies cannot otherwise obtain so advantageously, and to manufacture or produce these goods when it is found advisable to do so; 3—in doing these things, to pay capital its fair remuneration and pay fair wages to the workers, besides treating the latter in that considerate manner that all co-operators would desire to be treated, and which is the golden rule ordained by Christ; 4—employing surplus capital in employing co-operators to produce for the supply of the outside market, whether in our own or foreign countries, in order that labor may be justly treated and receive its full reward.

INTEREST.

One of the prime factors in our present industrial condition is interest: 80 per cent. of the wealth of the U. S. is interest bearing today, and our annual interest charge is \$3,000,000,000 or \$800,000,000 more than our annual increase of wealth! In other words, capital not only demands and receives its share in the increase of our national wealth, but the working man's as well, besides drawing to itself \$800,000,000.00 of the past accumulations of labor yearly! The final result can be nothing short of the industrial enslavement of the people, if the present trend of events is not arrested,—and it is in co-operation that we must find the means of arresting and abolishing interest. Co-operation is successful in so far as it destroys this factor, in which is vested the power of capital—for, shorn of interest capital is weak, like Samsor of old when shorn of his beard.

NOTES AND NEWS.

Prof. J. A. Miller of Stanford University has accepted a call to the University of Indiana.

The peach blossom has been selected by a vote of the school children of Delaware as the floral emblem of that state.

Prof. Edward Lee Greene, for many years identified with botanical work on the Pacific Coast, has become identified with the Catholic University, of Washington, D. C.

Prof. E. W. Hilgard, of the State University, has been quite ill but is now convalescent.

Prof. Symington has resigned from Stanford University to go to Amherst College.

YERBA MANSE.

ANEMOPSIS CALIFORNICA B. & H. This is one of the favorite medicinal herbs of the old Spanish Californians, but has won a permanent place in European greenhouses, and should be given the attention it deserves in the land of its birth. It is readily grown in moist soil, the apple-green foliage, frequently blotched with crimson, showing off the rather large white flowers to great advantage.

FROM THE HILLS.

In the first place if you wish to really enjoy the hills you must be firmly convinced of one thing.

Though they are old as the world's self they are greatly in sympathy with youth, and it is a settled fact if you quietly ignore the absurd accident of twenty or thirty years lying between your truth birthday and your introduction to them, they will respond instantly and unlocking all their treasure houses lead you through the realism of fairyland again, until you find the collection of goblin, brownie and fairy tales which you stigmatized "trash" when you found your small son buried in them, will seem a natural and reasonable continuation of your experience among them.

Come, now, my friend, quietly and between ourselves confess that all the romance and "superstition" of your youth is not entirely blotted out by the struggle for the almighty dollar or the pursuit of fame.

Own up that you have found yourself looking on all sides—perhaps with a shame-faced air and considerable surprise at your own "softness"—for the wonderful fairy rings of green in meadow and woodlands; that you have thought half unconsciously when bending to pluck a gleaming, satiny white lily, of the tiny fay last cradled at its golden heart, or bathed in the bright dew-diamond which your rough touch displaced. You have not? Go to! The world has gone ill with you, my friend. Fly to the hills; leave the office behind; shut up the sewing machine and let the last seven ruffles of Mary's new dress remain unhemmed. Let the Dorcas and the Society of Endeavor to Provide Overcoats for Indigent Hot-tents be carried on without you for

for awhile. Stop the Delsarte lessons and let the five hour piano practice rest and thereby incidentally be a blessing to the neighborhood where you reside.

Go to the hills, man or woman-soul, tired worn and weary; and when you go, take in your baggage with the resolution to get as much out of Nature as you can.

She is a very indulgent mother, this dear home earth, and the more her children demand of her the more gladly she gives; and the hills are her favorite store houses where she keeps some of her rarest treasures—all yours for the taking.

In the luggage you leave behind I stipulate for one thing; *leave every year after your truth birthday* and in return I promise you unlimited pleasure.

Don't you remember your truth year? The gladness and freedom of it, the brilliancy of the sky, the glory of the sun, all the wonderful promises of life offered before you, the glad young heart in your breast bounding up and out to all the wild sweet voices of the new world so good to look upon through eyes undimmed by life's salt tears of anguish.

Song and laughter trembled on your lips then; no grief was too deep to die with the setting sun, no joy too impossible for your eager hands to grasp at.

Take to the hills but one memory of your childhood, and their grand old rugged faces will break into smiles of welcome. Every little brook will bring you a silver message from the heart of summer; each brown cricket be a fairy to lead you to the enchanted lands of undying flowers, and small gay people, ever happy and helpful.

In every bank of emerald moss, deep cushioned, you will find the holy dreams and trusts of youth's vanished morning.

Each wild flower will banish the

remembrance of some past grief, and the mighty rocks in their calm endurance and unmoved steadfastness under the stones and changes of the seasons, will lend to your very soul some portion of their strength.

Go nearer to the earth, tired friends.

Themotherealwayscomfortsherchildren. At her heart is rest for all our unquiet; in her silence, peace; and the hills are our elder brothers, holding out to us their strong rough hands if we will but understand.

Clare Beatrice St. George.

EDITORIAL.

For years we have preserved carefully every book, magazine, newspaper, pamphlet, and even catalogues, and circulars—many literary productions that generally meet destruction, but which have a value in a library which aims to be complete and of use to future ages. It is hoped that this material may ultimately find a permanent home in some public institution; in the meantime we shall appreciate any contributions of literature, and in addition to our thanks we offer liberal exchanges in return of seeds, bulbs, native cacti, advertising space in this magazine, or subscriptions to the same. Nearly every one accumulates in time a mass of literature useless in part to the owner—but do not destroy—we want it saved.

We have several thousand duplicate magazines, books and pamphlets, which we will also exchange, or donate to any public institution that will refund to us the postage. Among them we name:

The Semi-Tropical Planter—complete sets. The Great Southwest—sets incomplete. The Young Men's Journal—nearly complete. The West American Scientist—about 50 odd numbers. The North American Review—

about 50 odd numbers. 10th Annual Report Calif. State Mining Bureau. Miscellaneous books, magazines and pamphlets.

THE VELVET CACTUS.

CEREUS EMORYI Engelm. This is one of the best-known of California cacti, the slender, thickly-set yellowish spines giving it a peculiarly beautiful appearance. The spines on the young joints are shorter, soft and flexuous; the flowers are yellowish, followed by a small edible fruit.

ALLIUM HAEMATOCITON Watson.

The mesas and hills around San Diego are decked in springtime with the clusters of bright purplish-tinted flowers of this wild onion, which deserves a prettier name at the hands of its friends. It does not prove quite hardy in New England, but will give enough pleasure for the cost of growing in the house among its more showy cousins.

THE CHOLLAS.

A former characteristic of Southern California landscapes were the thickets of cholla cactus, which still decorate some of our uncleared hillsides, and abounds in the desert regions and unsettled parts of Lower California and Mexico. The cholla belongs to the same genus as the prickly pear, but differs mainly in the cylindrical, instead of flat, joints and in its non-edible fruits.

OPUNTIA PROLIFERA Engelm. This densely-branching shrub bears a small flower of a pomegranate purple, and once grew in great abundance where the city of San Diego now exists.

OPUNTIA SERPENTINA Engelm. Procumbent, with yellow flowers, comparatively rare in cactus collections.

CALIFORNIA FISH-HOOK CACTUS.

MAMMILLARIA GOODRIDGII Scheer. A small globular species, closely set with brownish or white spines, the central one curved into a hook. The delicate yellowish white flowers are succeeded by the club-shaped, scarlet berries that possess the flavor of wild-wood strawberries, and are sometimes called "hep-pitallas," the "llavina" of the Mexicans.

THE PARTRIDGE-BREAST ALOE.

ALOE VARIEGATA Linnaeus. An African plant of great beauty, producing spikes of brilliant coral red flowers. It is found in many old-fashioned gardens and receives its common name from the feathery mottling of the leaves.

AN IDEAL FAMILY MEDICINE

For Indigestion, Biliousness, Headache, Constipation, Bad Complexion, Offensive Breath, and all disorders of the Stomach, Liver and Bowels.

R.I.P.A.N.'S TABULES act gently yet promptly. Perfect digestion follows their use. Sold by druggists or sent by mail.

Price 50 cents a box. Address **RIPAN'S CHEMICAL CO., 10 Spruce St., N.Y.**



THE BACHELOR-GIRL HAS A WORD TO SAY.

"I heard an orator deliver an address at the chamber of commerce in San Diego a short time ago.

The speaker was a nice-looking man, and his flow of language and his gestures were so elegant that I didn't comprehend one word in ten that he said. He was supposed to be addressing "The Taxpayer." His audience consisted of ten women and five men. (By the way this was at a session of the county horticulturists.)

First I heard that if "the teacher's salaries were not reduced all our young women would prefer teaching to matrimony." It is not my intention to repeat all he said, so I will pass on to the remarks that struck me most forcibly.

"Gentlemen," he said (in spite of the fact that we were most of us of the other sex,) "gentlemen we must use our utmost endeavor to discourage our daughters and female friends from rushing into the ranks of labor. Reduce their salaries and give the preference always to men who are the heads of families. Else must we expect women to take the majority of the positions and our men remain unemployed. Such a state of affairs would discourage matrimony—that divinest institution," etc.

But about this time I decided to take a breath of fresh air. I almost thought I was transported back to that free and enlightened portion of Illinois, known as Egypt, where a male principal of the public school gets \$150 a month, and his female assistant, who does most of the work, \$40. Then I remembered that Ambrose Bierce had written something a day or two before about the shamefulness of women crowding the men out of all the good positions.

May be it is too bad, so I decided to go and talk it over with Portia. When-

ever I feel a tendency to backslide from the ranks of the New Woman I call on Portia. Portia is a San Diego woman born and bred, and is bright and fresh and as true blue as the surf at Point Loma. She has western ideas—progressive, you know—that woman's sphere is just as large and round as she can make it and fill it.

"It sounds dreadfully, Portia, to hear it said that every woman who takes a position in the ranks of the workers is robbing several others who are supported by the effort of some man who is thus crowded out."

"Stuff and nonsense!" cried Portia. "You go right back and ask that man and Ambrose Bierce, too, how many of those working women are supporting some man's children, or wife or mother, or sister? And as to the 'pretty extravagant school ma'am, just inquire how many are supporting an invalid mother, or father, or helping to pay off the mortgage on the old farm, or giving the younger brother or sister an education, or helping the brother 'who never had any head for books' to start in some business venture? Don't you believe those miserable silurians, my dear. The earnest, hard-working woman has just as equitable a right to a position as any man, and as for the younger women who choose to mark out an independent life for themselves, they have a right to as much as have their brothers."

Portia talked for some time, and quite restored my equanimity. I began to think that after all it was not so dreadful to be earning my own living instead of looking about for somebody to be the head of my family—but still I must confess that I'm quite timid about what "they" will say, and one of these diffusive orators can make me spend a very uncomfortable half hour now and then.

"Our Times."

An educational monthly called the **YOUNG IDEA**, instructive stories, short poems, sketches of great men, customs of different countries, illustrated; 1 copy 50c per yr.-any one can make money working for us. 22 Pemberton sq Boston

Ten packets of choice flower seeds given as a premium to **YOUNG'S FLORAL MAGAZINE**, at 32c a yr. Box A, Latrobe, Pa.

The Press and Horticulturist, Riverside, Cal., one of the oldest and best papers in the Sunset Land, gives full information. \$2 a year in advance, 6 mos \$1 Sample copies free. Holmes & Pierson, publishers, Riverside, Cal.

FLORIDA PINEAPPLE plantations in 2 years mature 10,000 to the acre, sown in the open air in the frost proof lake region of South Florida. Send for sample copy of paper giving full particulars. Address Editor Pineapple, Pabor Lake, Florida.

The World Shell and Curio Company

MISS J. M. COOKE, manager.

SHELLS, MINERALS, OPALS, Mosses, Ferns, Cacti, and all kinds of specimens and curios. No. 1045 5th st., between C & D, San Diego, Cal. Particular attention to supplying collections and museums.



FREESIA REFRACTA ALBA.

ALL WHO CULTIVATE FRUITS FLOWERS VEGETABLES

For Pleasure or Profit,

Should see that the Journal they subscribe to is the best and most reliable authority obtainable.

AMERICAN GARDENING.

STANDS FOREMOST IN THE LIST.

It deals practically with fruits and vegetables, trees, shrubs and flowers, and covers the field of horticulture systematically and thoroughly. It illustrates and describes methods of cultivation, improved varieties and labor-saving devices. It is, without doubt,

The Paper for the People!

\$1.00 a Year (24 numbers).

Specimen copy and 50-page catalogue of horticultural books **FREE** on application.

American Gardening, 170 Fulton St., N.Y.

A. E. Dodson,
INSURANCE
Notary Public. 1411 E st
Ghvernment lands and
Pensions



THE HEDGEHOG CACTUS.

THE STORY OF A FLOWER.

A woman pale and sickly saw
Her garden with weeds o'er run,
A few neglected flowers were parched
Beneath the noonday sun.

"Out of Doors for Women" reading,
She saw suggestions fair
Of what and where might be obtained
A little flower most rare.

At once she bought the lovely plant
And tended it with care,
This brought her out of doors into
The sunshine and the air.

Before she thought about it much
She found with great surprise
Her cheeks were blooming, red and bright
And sparkling were her eyes.

And then she thought all this was due
The article she'd seen
In the "Out of doors for Women,"
A monthly magazine.

For well she knew it came about
Just by the little flower
Which had into the sunshine brought her
And given her health and power.

Frances Lois Ker.

KINDERGARTEN MAGAZINE

\$2.00 PER YEAR.

A monthly for parents and teachers. Edited by Andrea Hofer and Amalie Hofer, Chicago.

Devoted to kindergarten theory and practice. Keeps its readers in touch with the best demonstrations in the entire kindergarten field. New kindergarten songs. Nature studies and investigation. Typical work with gifts and materials. Discussions by live educators on best methods. Psychology made practical by the study of the child. Typical stories by active kindergartners. How to study Froebel's Mother-play Book.

DEPARTMENT FOR PARENTS.—Correspondence with mothers, discussing all practical and vexing questions. Typical chats with the children on natural history, domestic life, stories, songs, and plays. Hints of how to keep active fingers employed. Hand work and busy ways for children in the home, adapted to the needs of busy mothers. How and why to answer children's questions. Lullabys, home songs, and nursery rhymes: A pure home magazine, with a high standard of family life as its objective point, and sound purposes in early education. Thinking mothers are most practically supported in their efforts to give children rational training. Send 15 one-cent stamps for sample, and ask for plans for introducing the KINDERGARTEN into your neighborhood. KINDERGARTEN LITERATURE CO., CHICAGO.

CHILD-GARDEN

\$1.00 PER YEAR.

A monthly kindergarten magazine for children. Edited by Andrea Hofer and Amalie Hofer.

The only magazine for children, gathering up the pure literature of the current kindergartens. No other children's magazine discriminates so scientifically in its choice of contents, having a deep purpose behind all that it brings to the child. Full of helps to kindergartners and mothers. Written entirely by kindergartners from their daily experience. Beautiful illustrations, myth stories, science stories, trade stories, games, songs, talks, Sunday lessons, busy work, letters of travel, blackboard lessons, drawing, kindergarten occupations, etc. Send ten one-cent stamps for a sample. Anyone desiring to get up a club for the purpose of popularizing the kindergarten in any community write for rates and suggestions to the KINDERGARTEN LITERATURE CO., Chicago.

\$100.00 Given Away Every Month

to the person submitting the most meritorious invention during the preceding month.

WE SECURE PATENTS FOR INVENTORS, and the object of this offer is to encourage persons of an inventive turn of mind. At the same time we wish to impress the fact that :: :: ::

It's the Simple, Trivial Inventions That Yield Fortunes

—such as De Long's Hook and Eye, "See that Hump," "Safety Pin," "Pigs in Clover," "Air Brake," etc.

Almost every one conceives a bright idea at some time or other. Why not put it in practical use? YOUR talents may lie in this direction. May make your fortune. Why not try? :: :: :: ::

Write for further information and mention this paper.

THE PRESS CLAIMS CO.

618 F Street, Northwest,
WASHINGTON, D. C.

The responsibility of this company may be judged by the fact that its stock is held by over one thousand of the leading newspapers in the United States.

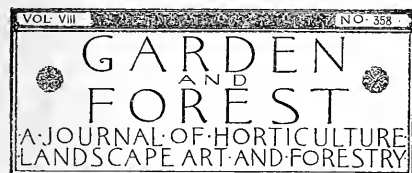
SANTA CLARA MAGAZINE exposes A. P. A., camps on the trail of cussedness generally, is a fearless defender of American institutions, and an exponent of the attractions of the Sta. Clara valley. Send 10c. for sample copy. Carrie Stevens Walter editor and owner, San Jose, Cal.

BALTIMORE CACTUS JOURNAL, a monthly devoted to the cultivation of succulent plants. 50c. per year; sample for stamp. 213 E. Lombard st., Baltimore, Maryland.

THE PERIOD, a monthly magazine—up to date on all literary matters. See our premium offers. Sample free. Olive B. Lee, room 405, Trust bldg. Dallas, Texas.

THE PACIFIC TREE AND VINE, 189 San Fernando st., San Jose, Cal., a monthly magazine on horticulture and viticulture, with floral, housekeepers' and home reading departments. \$1.50 per year. Henry A. Baanard editor, and Mrs. Maggie Downing Brainard, associate editor.

FINE PRINTING. 6-inch white envelopes 55c. per 100; commercial note heads 6th fine quality, 60c. per 100; letter heads fine, 70c. per 100; bill heads 55c. per 100; business cards 65c. per 100. These prices give only a small idea of the wide range of work we do. Write us. The Tribune, Shenandoah, Colorado.



\$4 a year, weekly. Tribune b'd'g, New York.



MUNCER'S AMERICAN STRAIN.
Bronze Turkeys, Barred and White Plymouth Rocks, White and Silver Wyandottes, Brown and White Leghorns, Segarded Jersey Cattle.
75 YEARS' EXPERIENCE IN RAISING AND BREEDING. 40 GRANDS BREEDING PRIZES FOR '94
Poultry and Eggs for Sale at all times.
Pairs, Trios and Breeding Pairs Mated for best Results.
Available ILLUSTRATED CIRCULAR Showing Ratings, Prices, Plans for Poultry Raising and Tools Sent Free. The "ROOSTER CLUB" Illustrated, 50c. Per Year. Muncer Address F. M. MUNCER, De Kalb, Illinois.

Magazines, books, etc.

taken at this office, bought, sold or exchanged. 365 21st st., San Diego.

LADIES will always find the largest assortment, the finest and best

Millinery

and the lowest prices at

Mrs. RUMPLE'S,
1031—1035 5th st., above D. San Diego

N.S. Hammack

ATTORNEY and COUNCILOR,
REAL ESTATE and LOANS,
Rooms 14 and 15, Express block,
San Diego, Calif.

Theo. Fintzelberg,

REAL ESTATE, INSURANCE and
COMMISSION, Notary Public.
P.O. box 986. Express block.
San Diego, Calif.

San Diego Truck Co.

All kinds of Merchandise, safes,
pianos, and furniture carefully
handled. Telephone 126. Office
No. 728 5th st.

Pioneer Truck Co.

Ed. Wescott, president.
F.P. Frary, Sec. & Tr.

Pianos, safes, and household goods
moved. Tel. 62. San Diego, Cal.

Girl wanted

365 21st street,
San Diego

Drs. MORGAN and POLHEMUS.

Physicians and Surgeons,
Telephone 51. Office 1045 6th st.
—one ring. Dr. Morgan's residence
1451 6th st.—3 rings. Dr. Polhemus'
residence Cor. 4th st. and Brookes av.
—4 rings. San Diego, California.

F. P. Bruner, Notary Public,

conveyancer of deeds,
etc.

with Wells, Fargo and Co..

6th & F sts., San Diego, Calif.

I want your old stamps!

Look over your old letters and send me what you have and I will make you an offer which you may accept or decline. Do not tear the stamps off the envelopes—they are more valuable on. There are a number of stamps worth over \$100 apiece. It will pay you to look. F. G. Hillman, 1036 Acushnet av. New Bedford Mass.

FLEAS "The only thing I have found to rid a dog of fleas is the Intallible flea exterminator,—it never fails." They all say so. Sent prepaid for 50c. a package. Prepared by the editor of the Dog fancier, Eugene Glass, Battle Creek, Mich.—send for sample copy "Fancier."

Plants, Bulbs and Cacti Free---you pay the postage.

The publisher has made arrangements with the Orcutt Seed and Plant Co. to furnish free of charge except the postage a collection of our native plants, bulbs and cacti, not to exceed 4 lbs. in weight, to every lady or gentleman who will start one or more chains of letters as below:

Orcutt, Calif., Sept. 1, 1895.

Dear Friend:—The editor of OUT OF DOORS FOR WOMEN wishes to place this unique magazine in the hands of all her sisters. To this end a chain of letters has been commenced in which you are requested to form a link. Make three copies of this letter, changing only the date and signing your name instead of mine. Send these letters to three of your friends.

Return this letter with 10 cents, with your name and address in full, and the addresses of your three friends, to OUT OF DOORS FOR WOMEN, Orcutt, Calif., when you will receive this journal one year post-paid. Your three friends will likewise be favored if they join hands with you. Sincerely, Mrs. O. L. ORCUTT, M. D.

Please use the following blank:

Mrs. O. L. Orcutt, Orcutt, Calif.

Dear Madam.—I have this day written three letters as above to

1

2

3

and enclose 10c. for my subscription one year, together with cts. in payment of postage on plants (at 8c. per lb.).

Name

Address

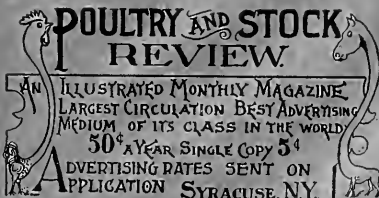


1888 New Apples, Pears, Nut trees & Novelties. 56 yrs. 300 ac's
1895 Starr, the largest early apple, 12 in. around, marketable 1st week in July; Paragon, Parlin and others. Lincoln coreless pear, very large and very late; Seneca, large handsome, and immediately after Bartlett. Japan Golden Russett. Vt. Beauty, &c. Japan quince Columbia unequalled for jelly. Nuts—Parry's Giant, 6 in. around, the largest known chestnut; Paragon, Numbo, and many others. Walnuts—French, Persian, Japan. English and American; Pecan, Almonds, and Filberts; Eleagnus longipes. Hardy Oranges; Dwarf Rocky Mountain Cherries, free from insects, black knot and other diseases; Small Fruits, Grapes, Currants, &c.; Shade trees, Ornamental shrubs, &c. Catalogue free.
Pomona Nurseries, Wm. Parry, Parry, N. J.

SAMPLE FREE American Bee Journal.
(Established 1861).
Weekly, 32 pages. \$1 a year.
160-page Bee-Book Free!
All about Bees and Honey
G. W. YORK & CO.
56 Fifth Ave.
CHICAGO, ILLINOIS.



POULTRY AND STOCK REVIEW
AN ILLUSTRATED MONTHLY MAGAZINE
LARGEST CIRCULATION BEST ADVERTISING MEDIUM OF ITS CLASS IN THE WORLD
50¢ A YEAR SINGLE COPY 5¢
ADVERTISING RATES SENT ON APPLICATION
SYRACUSE, N.Y.



Go to Llewellyn's for Boots and Shoes

Go to the 24 loaves, \$1 **German Bakery** for the Celebrated **Cottage Bread**

S. Schrank, proprietor, 12th and F streets, San Diego, Calif.

S. W. Bone, 651 5th st. between G and H, San Diego.
Dry Goods, Gents' Furnishing Goods,
and Ladies' and Childrens' Wear, Notions. Spool Cottons, Silks,
Embroidery, Etc.



**HOTEL
BREWSTER.**
San Diego Cal.
Best equipped hotel in
Southern California.

Centrally located.
Fisher Opera
house opposite.
Elevator and all
conveniences
\$2 50 per day
and up.
American plan.

Strictly first class,
J.E.O'Brien, proprietor.



Art Goods, frames
made to order; a full line of
souvenirs at **Alexander's.**
No. 846 6th street,
San Diego, Calif.